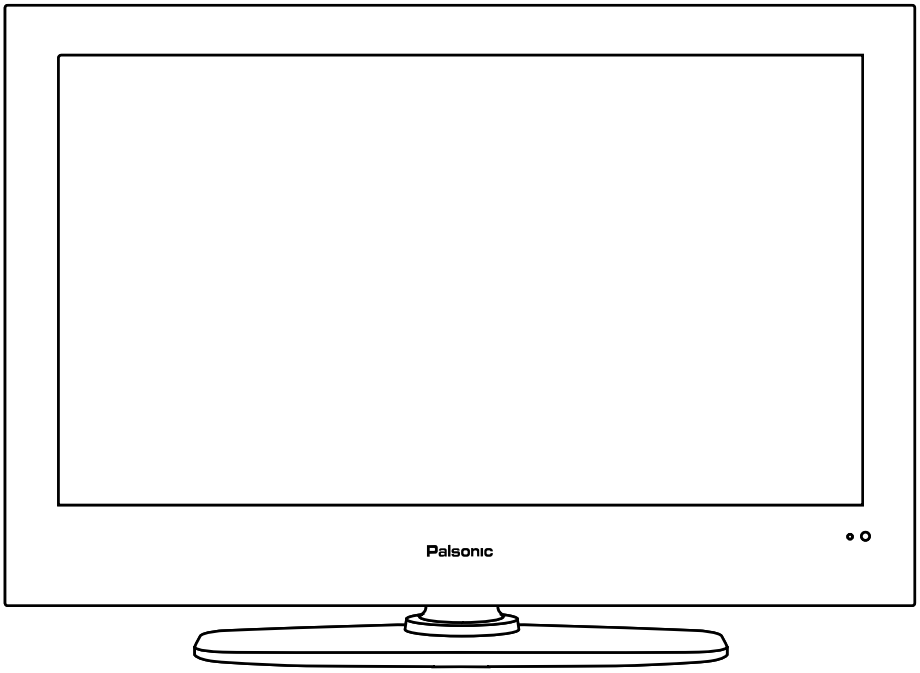
Palsonic

60cm (23.6”) LCD TV COMBINATION WITH DVB-T

INSTRUCTION MANUAL
TFTV602LED



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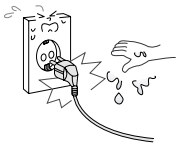
Power Supply

Warnings

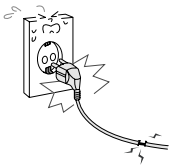
Do not touch the power plug with wet hands.

- Doing so may result in electric shock.



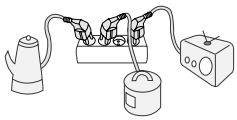
Do not use a damaged power cord or plug or a loose outlet.

- Doing so may result in fire or electric shock.



Do not plug several devices into the same outlet.

- Doing so may cause the outlet to overheat and start a fire.

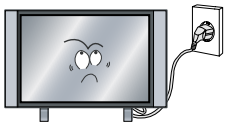


Insert the power plug fully into the outlet.

- A loose or improperly inserted power plug may result in fire.

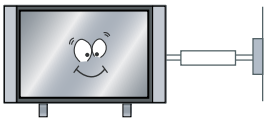
Do not bend the power cord excessively or place heavy objects on it.

- Doing so may result in fire or electric shock.



Be sure to ground the unit.

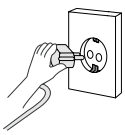
- Failing to do may lead to electric shock when a short circuit overload occurs. If necessary, install a ground fault circuit breaker. Never ground to a telephone line, lightning rod, or metal gas pipe. (doing so may result in fire, elect rick shock or other hazards.)



Cautions

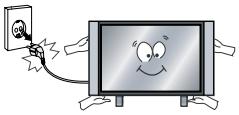
When disconnecting the power cord from an AC outlet, always grasp it by the plug.

- Pulling on the cord can damage the internal wire and may result in fire.



Always unplug the unit before cleaning.

- Not doing so may result in fire or electric shock.



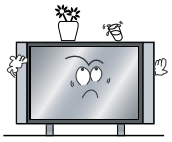
The purpose of these precautions is to ensure user safety and prevent property damage.
Be sure to read and observe all safety precautions.

Installation

Warnings

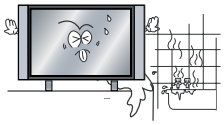
Do not place containers with liquids such as flower vases, soft drink cans, or medicine bottles or small metallic objects on top of the unit.

- If liquid enters the unit or any metal object fall into the unit, it may result in short-circuit, fire, or electric shock.



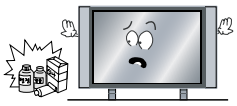
Do not place the unit where it is exposed to rain, excessive moisture or grease.

- Doing so may result in fire, electric shock, malfunction or deformation.



Do not use or store flamm albe or combustible materials near the unit.

- Doing so may result in fire or explosion.

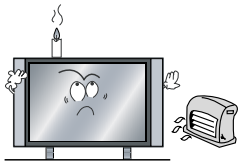


Do not place the unit on an unstable surface, such as a wobbly stand or sloped table, or on any surface whose area is smaller than the bottom area of the unit.

- If a child climbs on the unit, it could topple and fall onto the child, resulting in serious injury to the child or damage to the unit. Place the unit on a flat stable surface.

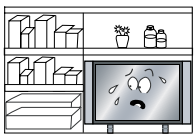
Do not place a burning candle burning anti-mosquito incense, or lighted cigarette on top of the unit. do not place the unit near any heat source such as a fireplace or space heater.

- Doing so poses a serious risk of fire.



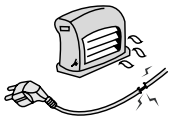
Do not place the unit in a poorly ventilated enclosure, such as a cabinet.

- Doing so poses a serious risk of fire.



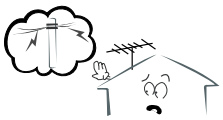
Do not run power cords near heat producing appliances such as radiators, stoves, or irons.

- The excessive heat could melt the insulation and expose live wires, resulting in fire or electric shock



Do the antenna away from high voltage power lines and communication cables and make sure it is installed securely.

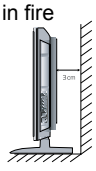
- If the antenna touches a power line, contact with the antenna could result in fire, electric shock, serious injury, or death.



Cautions

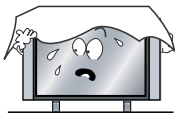
Install the unit at an adeq uate distance from the wall to ensure sufficient ventilation.

- It the temperature inside the unit rises, it may result in fire



Do not cover the unit with a tablecloth, curtain, or other material.

- If the temperature inside the unit rises, it may result in fire.

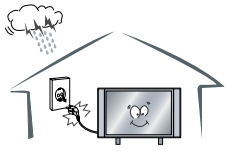


Be sure to place the unit on a level surface.

⚠ Warnings

Form a drip loop where the coaxial antenna cable enters your building to prevent rainwater from travelling along the cable and coming in contact with the antenna input terminal.

- If rainwater finds its way inside the unit, it may result in fire or electric shock.



- The following precautions are divided into “Warnings” and “Cautions”.

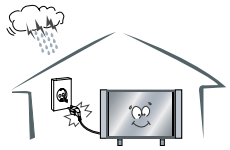
⚠ Warning: Ignoring this precaution may result in death or serious injury.
⚠ Caution: Ignoring this precaution may result in injury or property damage.

Use and Maintenance

Warnings

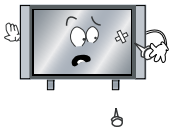
Disconnect the power cord from the wall outlet during an electrical storm.

- Not doing so may result in fire or electric shock.



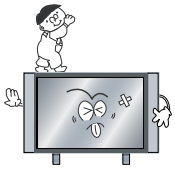
Do not insert any metal objects, such as a screwdriver paper clip, or bent wire into the ventilation openings or A/V terminals.

- Doing so poses a serious risk of fire or electric shock.



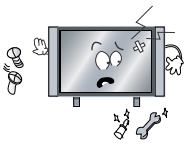
Do not allow children to climb or hang on the unit.

- The unit could topple over on to a child and result in serious injury.



Never disassemble or modify the unit in anyway. Do not attempt to service the unit yourself.

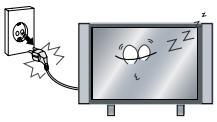
- Doing so may result in fire or electric shock. If the unit requires repair, contact the service centre.



Cautions

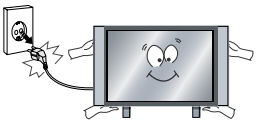
When not using the unit for long periods of time, disconnect the power cord from the wall outlet.

- Dust could accumulate over time on the unit and cause it to generate heat and ignite or deteriorate insulation, which in turn may result in an electrical fire.



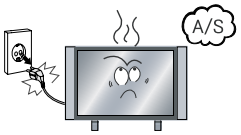
When moving the unit be sure to turn off the unit and unplug the power cord from the wall outlet.

- Moving the unit with the power cord connected to the outlet may cause damage to the cord,resulting in fire or electric shock.



If you notice any unusual odours or smoke around the unit, immediately disconnect the unit from the outlet and contact the service centre.

- Failure to do so may result in fire or electric shock.



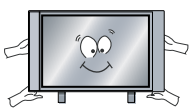
⚠ Warnings

When removing the batteries from the remote control, make sure children do not swallow them. Keep the batteries out of the reach of infants and children.

- If a child has swallowed a battery, seek medical attention immediately.

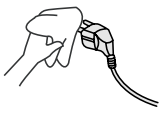
Always use two or more people to lift or move the unit.

- If the unit is dropped, it could be damaged or other wise cause injury.



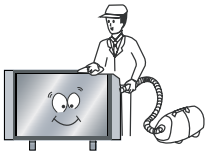
Wipe off any moisture, dirt, or dust on the power plug pins with a clean dry cloth.

- Failure to do so may result in fire or electric shock.



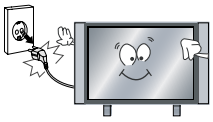
It is advisable to clean the interior of the unit at least once a year. Contact the store of purchase or service centre for information.

- Continuing to use the unit without cleaning off the dust build-up inside it may result in fire or electric shock.



Always turn off the unit and unplug the power cord when cleaning the unit. Use a soft dry cloth to clean the unit.

- Never clean with industrial strength polish, wax, benzene, paint thinner, air freshener, lubricant, detergent, or other such chemicals. Also, do not clean with a damp cloth.



Important Safety Instructions

Warnings and Precautions

To prevent any injuries, the following safety precautions should be observed in the installation, use, servicing and maintenance of this equipment.
Before operating this equipment, please read this manual completely, and keep it near by for future reference.

1) Read these instructions.

2) Keep these instructions.

3) Heed all warnings.

4) Follow all instructions.

5) Do not use this apparatus near water.

6) Clean only with a dry cloth.

7) Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.

8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9) Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11) Only use the attachments / accessories specified by the manufacturer.

12) Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus

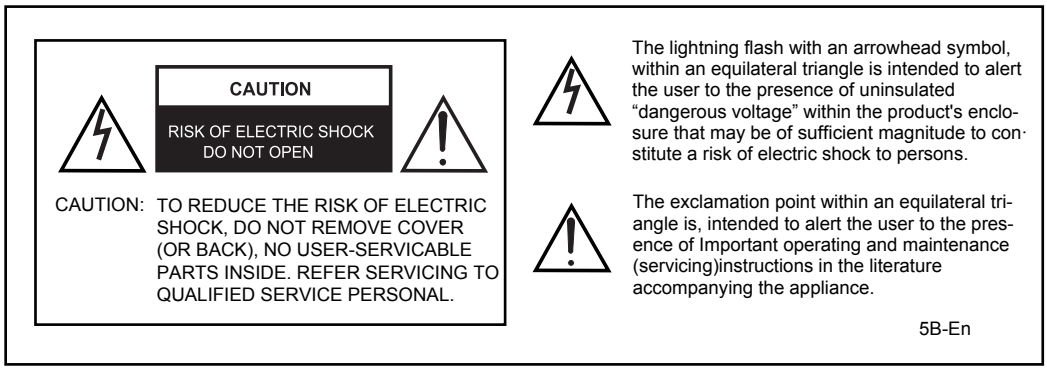
combination to avoid injury from tip over

Important Safety Instructions

13) Unplug this apparatus during lightning storms or when unused for long periods of time.

14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

- Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK), NO USER-SERVICABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONAL.
The lightning flash with an arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.
The exclamation point within an equilateral triangle is, intended to alert the user to the presence of Important operating and maintenance (servicing)instructions in the literature accompanying the appliance.
5B-En

Apparatus with Class 1 construction shall be connected to a Mains socket outlet with a protective earthing connection.

WARNING

TO PREVENT DAMAGE WHICH MAY RESULT IN FIRE OR ELECTRIC SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

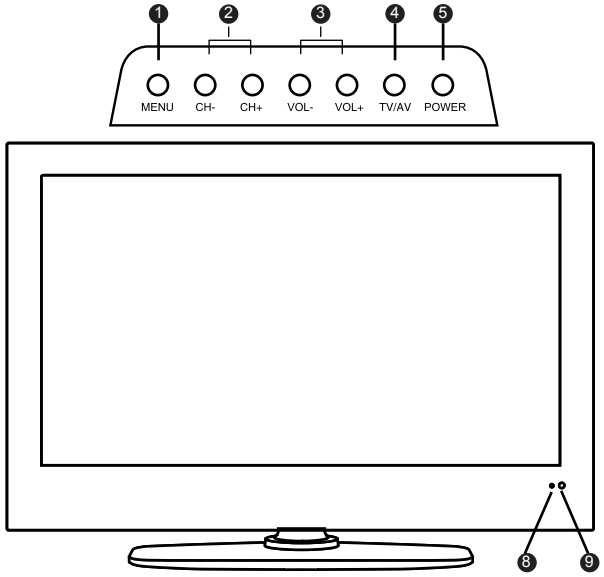
Caution:

- These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

- Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Names of each part

Front View



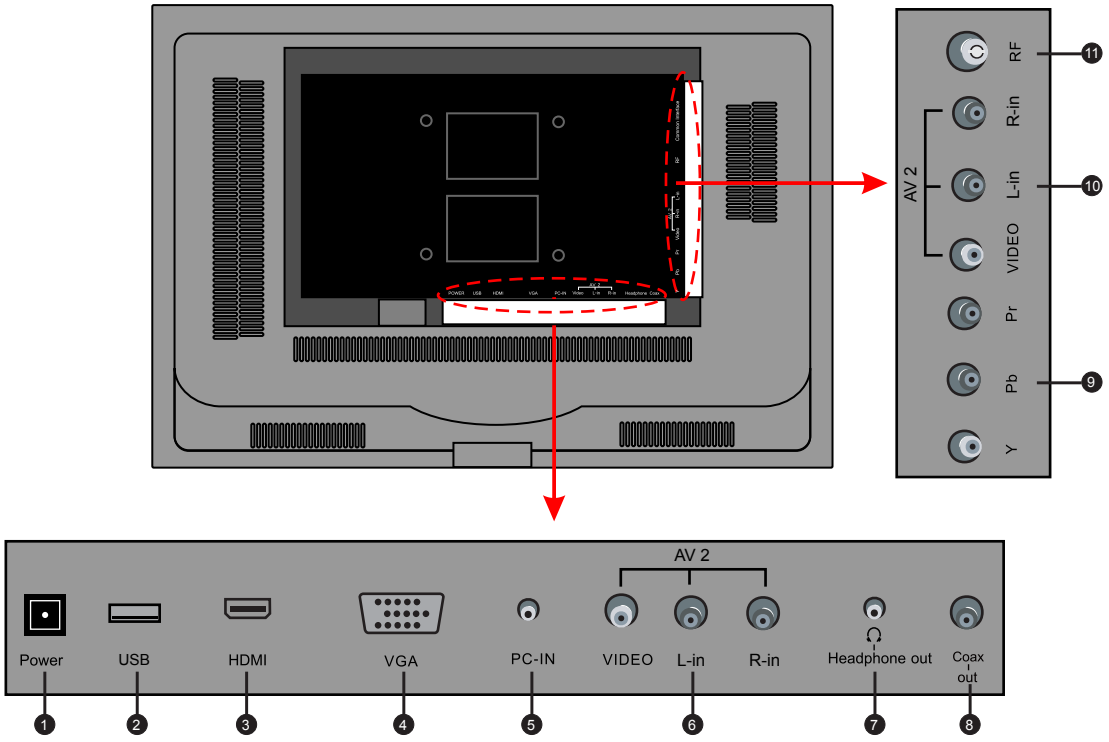
1. MENU button - OSD Menu Display Button
2. CH+/- button - Channel/Program +,- Button
3. VOL+/- button - Volume +,- Button
4. TV/AV button - Input Source Select Button
5. POWER button
6. LED Indicator
7. Remote Control Window

Accessories

- The configuration of the components may look different from the following illustration.

User's Guide | Power Cable | Adaptor | Remote Control

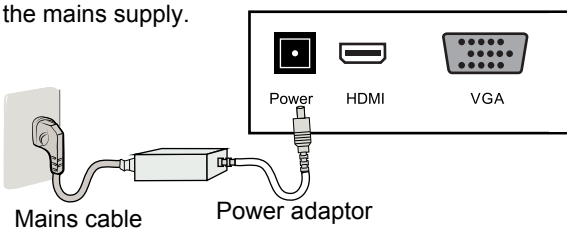
Names of each part



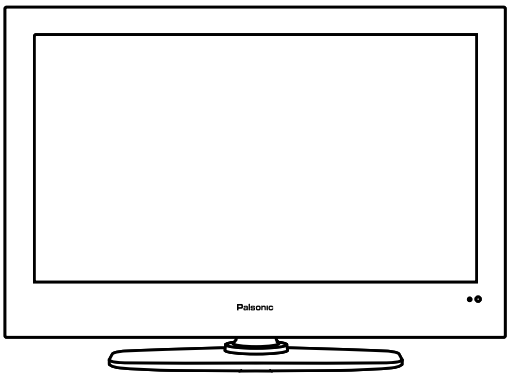
1. DC POWER IN(DC 12V 5A)
2. USB
3. HDMI
4. VGA(D-Sub 15PIN)
5. PC AUDIO IN
6. AV2 IN
7. HEADPHONE OUT
8. COAX OUT
9. YPbPr
10. AV1
11. RF

Power Connecting

1. Connect the small round plug on the power adaptor cable to the power input socket at the rear of the set.
2. Connect the mains cable between the power adaptor and the mains supply.



Mounting on a Desktop



- Your LCD TV can be mounted on a Desktop as shown in the figure above.
- This is not a floor-standing unit.

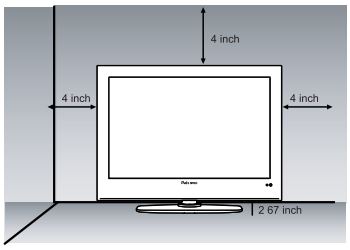
Installation Precautions

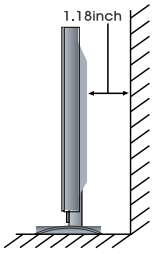
Wall Mounting

- Please secure enough space for safe use. (Please refer to A and B.)
- Installation of the LCD TV in an improperly ventilated location can cause a fire or damage to the LCD TV due to increased temperature.

A

(Mounting on a wall)





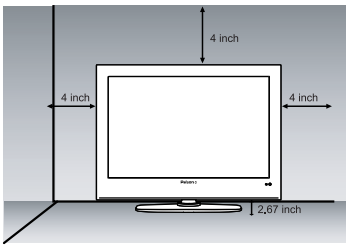
• Contact your dealer to purchase the "Adjustable-angle wall mount" required for wall-mounted installation.

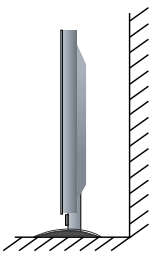
Using the Stand

- Do not install on an unstable location with support area smaller than the LCD TV.
- Please refer to the desktop stand manual for details of installation.

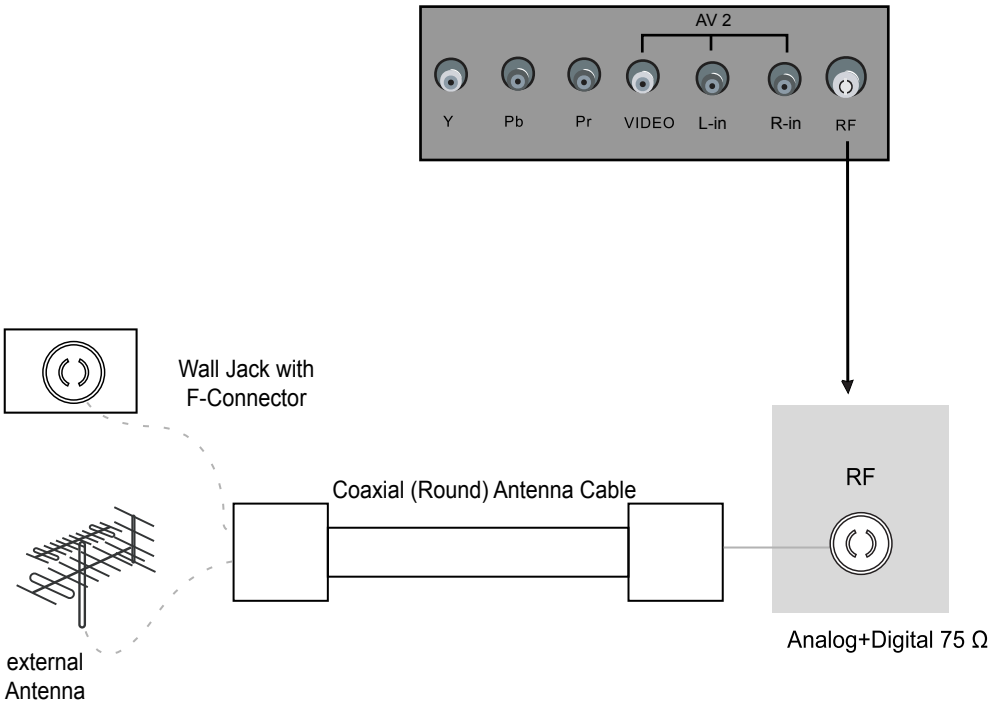
B

(Using the Stand)





Installing an Antenna



Press **TV/AV** button on the remote control to display the input source menu, press ▲ / ▼ button to select TV, then press ▶ button to confirm. Then you can receive the signal.

Remote Control

- Functions of remote control buttons

The remote control is Infra Red (IR). Point it towards the front of the LCD TV. The remote control may not work correctly if it is operated out of range or out of angle.

POWER
Turn the TV on/standby

TV/AV
Display the input source menu.

Buttons for TELETEXT operating
You could use the functions of the buttons only in TELETEXT.

TV/TXT
Turn off/on the Teletext display.

CANCEL
Cancel the Teletext display.

REVEAL
Reveal any hidden text.

DTV
Switch to DTV source.

HOLD
Hold or carry on the current subpage.

SIZE
Press to see top half of page double size, Press again to see the bottom half of page double size. Press again for normal size.

SUBPAGE
Press to subpage, again to cancel.

INDEX
Go to index.

Colour buttons
Short cuts-follow the coloured links in the text.

Buttons for Basic operating

MENU
Press to display the OSD menu.

CH+/-
Channel/Program +/-.

VOL+/-
Volume +/-.

EXIT
Press to exit the OSD menu.

THUMBSTICK (▲/▼/◄/ ►/OK)
Allows you to navigate the on-screen menus and adjust the system settings to your preference.

CHANNEL LIST
Display the programs list.

MUTE
Press to mute the sound.
Press again or press VOL+ to un-mute.

EPG
To show the Electronic Program Guide during no-menu state only.

INFO
Means information, to display brief information concerningthe current channel you are viewing.

Remote Control

PICTURE
Press repeatedly to cycle through the available video picture modes.

SOUND
Press to cycle through the different sound settings.

NICAM/A2
Nicam/A2 select.

SLEEP
Shutdown timer.

SUBTITLE
To switch the dialog at the bottom of the screen.

TV/RADIO
Disc menu change between TV and Radio

Buttons for USB operation. The next functions are only available in USB mode.

◀◀ : Fast reverse.
▶▶ : Fast forward.
⏮ : Previous track.
⏭ : Next track.
▶/II : Play / Pause.

REPEAT

ASPECT
Cycles among screen display mode. 4:3, 16:9, Zoom1, Zoom2.

NUMBER BUTTONS
Choose channel directly.
Press number buttons and press OK button to play the channel.

Return to the previous channel viewed.

FAV
Display the favourite program list.

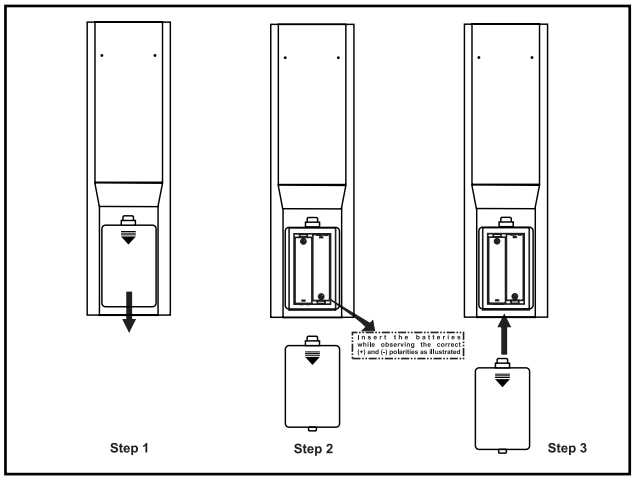
Precautions

Avoiding Remote Control Problems

1. Check the polarity (+, -) of the batteries in the remote control.
2. Check that the batteries have power.
3. Check that the LCD TV is powered and that it is properly plugged in.
4. Check if any three-wavelength lamp, special fluorescent or neon sign is turned on near the LCD TV.

Inserting Batteries in the Remote Control

1. Open the cover completely.
2. Insert the two supplied batteries (AA, 1.5V). Ensure that the polarities (+ and -) of the batteries are aligned correctly.
3. Slide back the cover.



⚠ CAUTION : Risk of explosion if battery is replaced by an incorrect type.
Dispose of used batteries according to the national code (Recycling program).

How to use remote control

- The remote control should be operated within 30 feet (7m) and 30^0 to the left and the right of the IR receiver at the front of the LCD TV.
- Used batteries should be disposed properly.

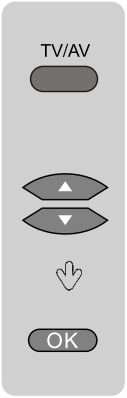
Power the LCD TV

- Power on/off

  - To turn the LCD TV on:
    Press "POWER" button on the LCD TV.
  - To turn the LCD TV off:
    Press "POWER" button on the LCD TV.
  - To turn on/off by remote control:
    Press the button on remote control.

Selecting Input Source

- You can select between the TV signal and the input signal of other equipment connected to the TV.
- Use this function to switch to the input source you wish to view.

Press 

button on the remote control.

Use to move to the desired input source.

Press to select.

Operating the Menu

1. Press the POWER button to turn the LCD TV on.
2. Press the TV-MENU button on the remote control, the on screen menu will appear.
3. Use the ◄ and ► buttons to select your main menu option.

PICTURE MENU:

Allows you to make adjustments to your picture settings.

(Select TV source for example)

SOUND MENU:

Allows you to customize the sound options and effects.

(Select TV source for example)

TIMER MENU:

Allows you to set up a variety of timer options.

(Select TV source)

OPTION MENU:

Allows you to setup a variety of setup options.

(Select TV source)

LOCK MENU:

Allows you to set up a variety of lock options.

(Select TV source)

CHANNEL MENU:

Allows you to search channels and set up a variety of channel options.

(Select TV source)

4. Use the ▼/▲ buttons to select an option of the sub-menu, and press the ► button.
   While in adjusting mode, use the ◄/► to change the value of the item.
5. Press the EXIT button to exit the menu.

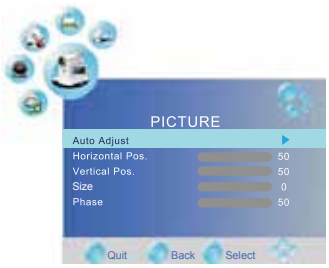
Note:
Only when you input the suitable signal, the relevant items can be activated.

Customising the PICTURE Settings

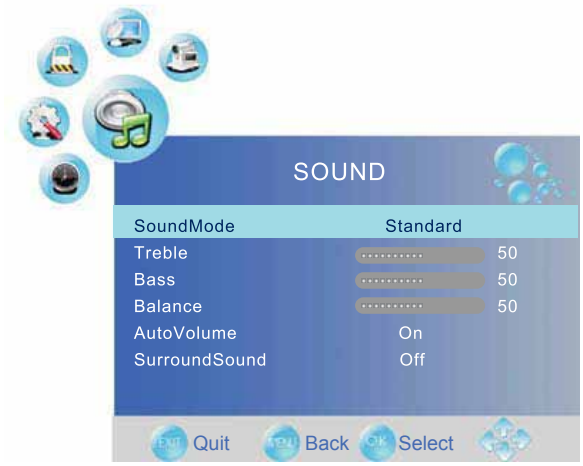
Use the ◄ and ► buttons to select the **PICTURE** menu (as the picture above), press ▼ button to enter the menu. Press ◄ or ► Direction buttons to change the settings.

The PICTURE menu includes the following options :

Picture Mode	Cycles among picture display modes: Standard, Dynamic, Soft, Personal.
Contrast	Controls the difference between the brightest and darkest regions of the picture.
Brightness	Controls the overall brightness of the picture.
Colour	Control the colour.
Sharpness	Increase this setting to see crisp edges in the picture; decrease it for soft edges.
Tint	Controls the tint.
Color Temperature	Cycles among colour modes: User,Warm, Medium, User. When you select “User” mode, you could adjust the colours below (Red, Green, Blue) by yourself.
Aspect Ratio	Cycles among screen display modes: Auto, 4:3, 16:9, Zoom1, Zoom2.
Noise Reduction	Reduce the noise point of the picture when you turn on the function by selecting “On”.
PC Set up (only exist in PC-RGB mode)	Press ► button to enter the submenu to adjust the picture of the screen.



Customising the SOUND Settings



Use the ◄ and ► buttons to select the **SOUND** menu (as the picture above), press ▼ button to enter the menu. Press ◄ or ► Direction buttons to change the settings.

The SOUND menu includes the following options :

Sound Mode	Allows you to select among: Standard, Music, Movie, Sports and Personal.
Treble (Could be adjusted when the sound mode is User)	Controls the relative intensity of higher pitched sounds.
Bass (Could be adjusted when the sound mode is User)	Controls the relative intensity of lower pitched sounds.
Balance	To adjust the balance of the left and right sound track, or turn off the volume of the left and right sound track.
Auto Volume	Control the volume of the program automatically when you turn on the function by selecting “On”.
Surround Sound	Turn on/off the surround sound function by selecting “on”/“off”.

Customising the TIMER Settings

Use the ◄ and ► buttons to select the TIMER menu (as the picture above), press ▼ button to enter the menu. Press ◄ or ► Direction buttons to change the settings.

The TIMER menu includes the following options :

Clock	Use the ◄ and ► buttons to select the position, and use the ▼ and ▲ button to set the time.
Off Time	Press ► button to enter the submenu, you could set the time when the TV set will be turned off automatically, you could also set the frequency.
On Time	Press ► button to enter the submenu, you could set the time when the TV set will be turned on automatically, you could also set the frequency, volume and program.
Sleep Timer	Allows you to setup the sleep timer among: 5min, 10min, 15min, 30min, 45min, 60min, 90min, 120min, 180min, 240min and off.
Auto Sleep	Turn on/off the auto sleep function.
TimeZone	Allows you to select the time zone.

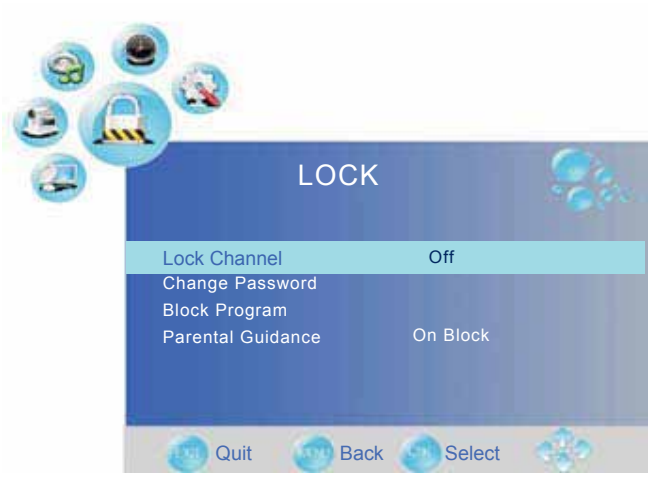
Customising the SETUP Settings

Use the ◀ and ▶ buttons to select the **OPTION** menu (as the picture above), press ▼ button to enter the menu. Press the ◀ or ▶ Direction buttons to change the settings.

The SETUP menu includes the following options:

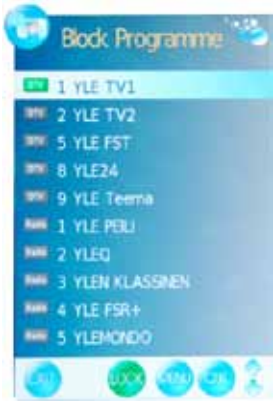
Language	Allows you to select menu language.
Audio Language (Could be selected in TV mode)	Allows you to select audio language.
Subtitle Language (Could be selected in TV mode)	Allows you to select subtitle language.
Country	Display the current Country.
Restore Factory Default	Press ▶ button to restore factory default.

Customising the LOCK Settings

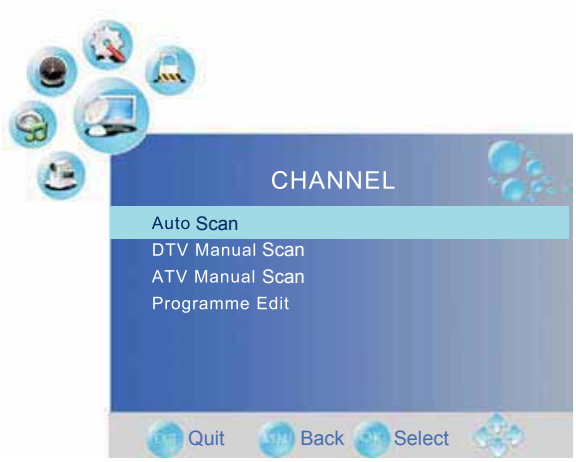


Use the ◄ and ► buttons to select the **LOCK** menu (as the picture above), press ▼ button to enter the menu.
Note: You should enter the code to operate the menu.(original code is 0000)

The LOCK menu includes the following options :

Lock Channel	When turn on, the user can not manual search and program edit.
Change Password	Press ► button to enter the submenu, and you could change the password here.
Block Program	Press ► button to enter the submenu as the right picture, select a program, and press GREEN button to block it. 
Parental Guidance	Cycles among ages:4, 5, 6.... 18, or you could turn the function off.

Customising the CHANNEL Settings



Use the ◄ and ► buttons to select the **CHANNEL** menu (as the picture above), press ▼ button to enter the menu.

The CHANNEL menu includes the following options :

Auto Scan (Recommended)	Press ► button to start auto tuning (ATV and DTV signals). When the tuning procedure is complete, the channels will be automatically allocated to their correct channel number positions.
DTV Manual Scan	Press ► button to enter the submenu. Press ◄ or ► button to select a channel and press OK button to start search.

ATV Manual Scan	Press ► button to enter the submenu.
Storage To	Select a position to store the program.
Current CH	Select a program you want to tuning.
Search	Press ◄ and ► buttons to manual search.
Fine-Tune	Press ◄ and ► buttons to fine-tune.
Skip	Select “Yes” to skip the program when you scan the programs by CH+/-
Frequency	Display the current channel’s frequency.

Press RED button to save all the setups you have changed.

Customising the CHANNEL Settings

Program Edit: Press ▶ button to enter the submenu as the following picture.

Delete: Select a program, and press RED button to delete the program.
Rename: Select a program, and press GREEN button, then you could use ◀ and ▶ buttons to select the position of the program's name you want to change, and press ▼ and ▲ buttons to change the character, press ◀ or ▶ button to confirm the change.
Move: Select a program, and press YELLOW button, then you could use ▼ and ▲ buttons to change the position of the program, press YELLOW again to confirm the change.
Skip: Select a program, and press BLUE button to sign the program, while the program have been signed, it will be skipped when you scan programs by CH+/-.
FAV: Select a program, press FAV button to set the program as the favourite channel.

Note: The function of "RENAME" and "MOVE" could not be used in DTV source.

USB MODE

USB

Your LCD TV is equipped with a simplified function multimedia player that allows you to play certain kind of files from any external storage device connected to your TV via USB (for example, an external hard disk). From this mode, you may display pictures, listen to MP3 music, or even play some video formats.
Insert an USB device into the USB port at the connection panel. Press **SOURCE**, use the **UP/DOWN** buttons to select USB and press **OK** button to access USB mode. The compatible audio, video and photo files will be displayed at the following interface.

NOTE: The USB multimedia player is an additional feature of this LCD TV, therefore only the essential playback functions will be available (Play, Pause Stop,...). When playing some MPEG-4 video file (AVI) you may find some AV delay during the high quantity of resources that video decompression consumes from the system, The range of compatible video formats is limited, please use a video player to play specific video files.

* USB: Can read Mp3, Mpg, Divx files and so on.

Trouble shooting

- Do not use other functions that are not mentioned in this user's manual.
- In case a problem occurs with your LCD TV, please take the following steps first.
- If you still have the problem, turn the power off and contact your dealer or an authorized service centre.

Problem	Action
The screen does not appear.	Is the power plug pulled out? Insert the power plug. Press the power button of the remote control.
The screen appears too slowly after the power is turned on.	This problem occurs for a brief time in the process of image elimination processing in order to hide temporary screen noise that occurs when the power is turned on. But if the screen does not come after 1 minute contact your dealer or an authorized service centre.
Screen is too bright or too dark	Perform brightness adjustment or Contrast adjustment.
Screen is too large or too small	Adjust the screen size.
Stripes appear on the screen and it shakes.	Stop using wireless telephones, hair driers and electric drills.
The screen does not move	Press the PAUSE button. Check if the Pause button is pressed on external equipment.
Screen appears, Voice is not heard	1. Press the "MUTE" button. 2. Increase the sound level by pressing volume adjustment button. 3. Check if sound terminal of external input is connected properly. 4. Check if audio cables are connected properly. 5. Select and check the other input. If the sound still does not work and the other channels are the same after you have done as the above, contact your dealer or an authorized service centre.
Remote control does not work	1. Check if main power is On. 2. Check that the batteries of the remote controller were loaded properly. 3. Check to see if any obstacle exists between the LCD TV and the remote control, then remove it, if any. 4. If the batteries have no power, replace them with two new batteries.

- This LCD TV is for household use and registered as harmless on electromagnetic waves.
- Therefore, you can use it in every location as well as residential areas.

Specifications

LCD Panel	Panel Size	23.6” TFT LCD
	Brightness	250
	Contrast Ratio	1000:1
Max. Resolution		1920 x 1080
Input Connector	VIDEO	2
	YPbPr	1
	AUDIO (L/R)	2
	PC/AUDIO(L/R)	1
	HDMI	1
	RF	1
Output Connector	HEADPHONE	1
	COAX	1
Power Source		12V/ 5A
Power Consumption		60W

- The cabinet design and electronics specifications will be modified without prior notice for improving the performance.

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